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## SUPPLEMENTS TO THE FLORA OF ISLAND OF KORČULA (CROATIA)

IVO TRINAJSTIĆ

University of Zagreb, Faculty of Forestry, Svetošimunska 25, Zagreb, Croatia

In the paper a list of 27 taxa of vascular flora, new for the Korčula cluster of islands, (Croatia) is published. These are cultivated species: *Campsis radicans*, *Carpobrotus acinaciformis*, *C. edulis*, *Chrysanthemum frutescens*, *Cichorium endivia*, *Lagerstroemia indica*, *Lippia triphylla*, *Passiflora caerulea*, *Petunia* x *hybrida*, *Quercus suber*, *Verbena* x *hybrida*; cultivated and run-wild species: *Cheiranthus cheiri*, *Iris florentina*, *Pelargonium zonale*; anthropochoric species: *Aster squamatus*, *Bidens subalternans*, *Eleusine indica*, *Euphorbia maculata*; natural vegetation elements: *Allium commutatum*, *Calystegia sepium*, *Daucus major*, *Minuartia mediterranea*, *Muscari parviflorum*, *Onobrychis tommasinii*, *Raphanus raphanistrum*, *Silene nocturna*.

By this addition, the number of plants of the vascular flora of the Korčula island cluster is increased to 990 taxa.

**Key words:** Korčula island, flora, cultivated species, Croatia

### Introduction

A list of the flora of the island of Korčula has already been published, comprising 963 taxa of vascular plants. A total of 942 taxa have been recorded by TRINAJSTIĆ (1985, 1995), and additional 21 taxa were recorded by VLADOVIĆ and JUKIĆ (1997).

In the 1995–1998 period, on Korčula island itself as well as on the small island of Lukavac, a number of other taxa, new for the researched area, were discovered, and are published here for the first time.

### Results and Discussion

Twenty seven new taxa were registered in the Korčula cluster of islands, in the period 1995–1998 (Tab. 1).

Tab. 1. List of new recorded taxa in the Korčula cluster of islands

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#### MAGNOLIATAE

##### Aizoaceae

*Carpobrotus acinaciformis* (L.) L. Bolus – Vela luka

*C. edulis* (L.) N. E. Br. – Vela luka

*Mesembryanthemum nodiflorum* L. – Tri luke

##### Apiaceae

*Daucus major* Vis. – Tri luke

##### Asteraceae

*Aster squamatus* (Spreng.) Hieron. – Blato

*Bidens subalternans* DC. – Tri luke

*Chrysanthemum frutescens* L. – Prižba

##### Bignoniaceae

*Campsis radicans* (L.) Seem. – Vela luka

##### Brassicaceae

*Cheiranthus cheiri* L. – Slatina, Tri luke

*Raphanus rphanistrum* L. – Slatina, Tri luke

##### Caryophyllaceae

*Minuartia mediterranea* (Link) Maly – Tri luke

*Silene cerastioides* L. – Tri luke

##### Cichoriaceae

*Cichorium endivia* L. – Tri luke

##### Convolvulaceae

*Calystegia sepium* (L.) R. Br. – Slatina, Tri luke

##### Euphorbiaceae

*Euphorbia maculata* L. – Blato

##### Fabaceae

*Onobrychis tommasinii* Jordan – Tri luke

##### Fagaceae

*Quercus suber* L. – Blato

##### Geraniaceae

*Pelargonium zonale* (L.) Aiton – Brna

##### Lythraceae

*Lagerstroemia indica* L. – Vela luka

##### Passifloraceae

*Passiflora caerulea* L. – Vela luka

##### Solanaceae

*Petunia x hybrida* Vilm. – Vela luka

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Tab. 1. – continued

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*Verbenaceae**Lantana camara* L. – Vela luka*Lippia triphylla* (L'Hér.) O. Kuntze – Prižba*LILIATAE**Iridaceae**Iris florentina* L. – Potirna, Tri luke*Liliaceae**Allium commutatum* Guss. – Tri luke, otočić Lukovac*Muscari parviflorum* Desf. – Vela luka*Poaceae**Eleusine indica* (L.) Gaertner – Blato

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Among the species published here as being new for the Korčula cluster of islands, several significant plant groups are distinguished. The first group comprises species cultivated in gardens and parks. These are *Campsis radicans*, *Cichorium endivia*, *Chrysanthemum frutescens*, *Lagerstroemia indica*, *Lantana camara*, *Lippia triphylla*, *Petunia x hybrida* and *Verbena x hybrida*.

The second group includes cultivated species which have evaded cultivation and developed subsontaneously. These are *Carpobrotus acinaciformis*, *C. edulis*, *Cheiranthus cheiri*, *Iris florentina*, *Mesembryanthemum nodiflorum* and *Pelargonium zonale*.

The third group comprises ruderal anthropochorous species which have been spreading along the Croatian littoral in the past decades. These are *Aster squamatus*, *Bidens subalternans*, *Eleusine indica* and *Euphorbia maculata*.

Finally, the fourth group comprises autochthonous species of the flora of Croatia. These are *Allium commutatum*, *Calystegia sepium*, *Daucus major*, *Minuartia mediterranea*, *Muscari parviflorum*, *Onobrychis tommasinii*, *Raphanus raphanistrum* and *Silene cerastioides*.

Of the above mentioned plants, certainly the most interesting is *Muscari parviflorum*. This is the only species of the genus *Muscari* which flowers in autumn (cf. ASCHERSON and GRAEBNER 1905, DAVIS and STUART 1980). In the earlier floristic literature (VISIANI 1842, SCHLOSSER and VUKOTINOVIĆ 1869) it is not recorded for Croatian flora. The first report of *M. parviflorum* in Croatia was in the Lapad peninsula and Gruž, Dubrovnik (WEISS 1867) and the nearby island of Šipan (LATZEL 1914).

The locality on Šipan has been recently confirmed by M. HEĆIMOVIĆ (1981), while other two localities in Dubrovnik (Gruž, Lapad) have not been confirmed subsequently. Vela luka, therefore, is the second certain locality of *M. parviflorum* in Croatian flora.

### Conclusion

In the continuation of floristic research into the island of Korčula, another 27 species, new for this region, have been registered. Since records of 963 taxa

were published earlier, the flora of the Korčula island cluster known so far amounts to 990 taxa. In its richness, this flora approaches that of the island of Hvar which, according to Trinajstić (1993), has 1095 vascular plant taxa.

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Corresponding author:

Prof. dr. Ivo Trinajstić  
University of Zagreb, Faculty of Forestry,  
Svetošimunska 25,  
HR-10 000 Zagreb  
Croatia  
Fax: (385-1) 370 52 97